

Appl. No. 10/760,139

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application. Please cancel claims 1-22, and add new claim 23 as follows:

Listing of Claims:

Claims 1-22. (Cancelled)

23. (New) A method for manipulating particles using dielectrophoresis, the method comprising:

passing a sample fluid containing the particles across a non-uniform radial array of insulating features;

generating a spatially non-uniform electric field, the spatially non-uniform electric field exerting a dielectrophoretic force on the particles thereby constraining motion of at least one particle;

trapping at least one particle at a location in the non-uniform array, wherein the location is determined at least in part based on electric and geometrical properties of the particle; and

trapping the particles in a ring around a center of the radial array.